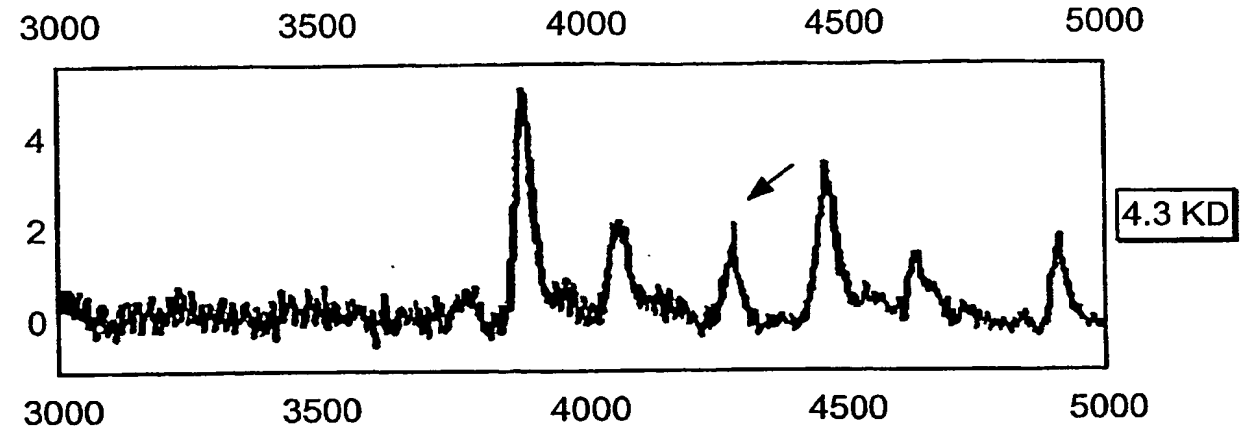

3000
3500
4000
4500
5000
4
2
0
4.3 KD
3000
3500
4000
4500
5000
Marker I (BC1)

FIG. 1A

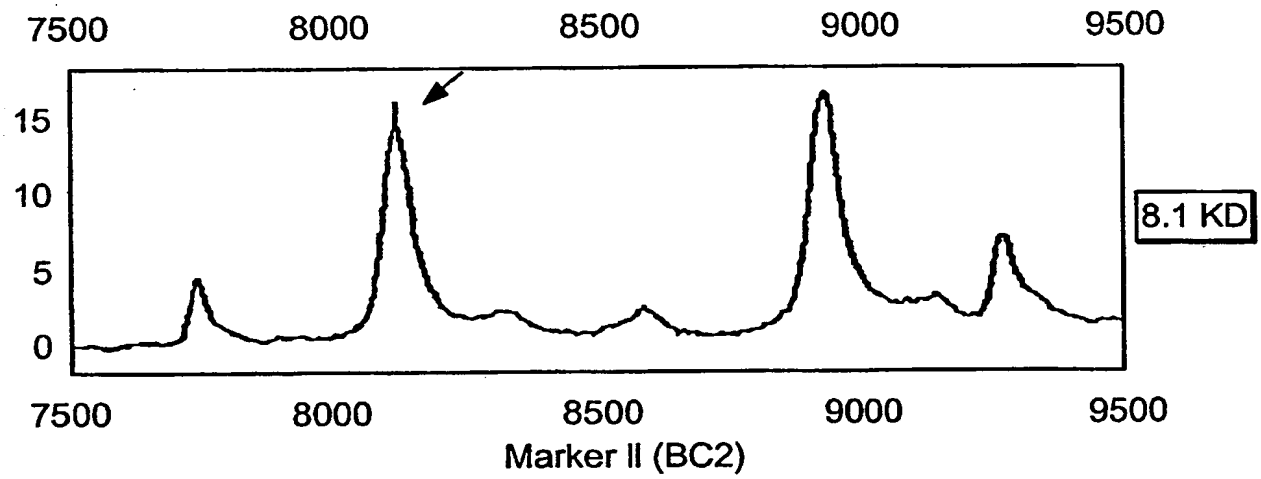
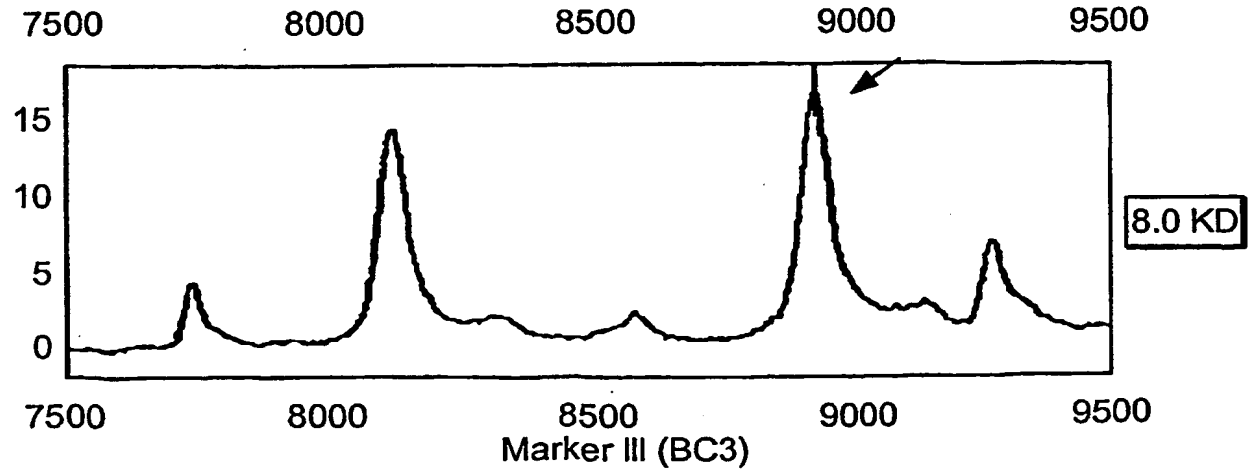

7500
8000
8500
9000
9500
15
10
5
0
8.1 KD
7500
8000
8500
9000
9500
Marker II (BC2)

FIG. 1B


7500
8000
8500
9000
9500
15
10
5
0
8.0 KD
7500
8000
8500
9000
9500
Marker III (BC3)

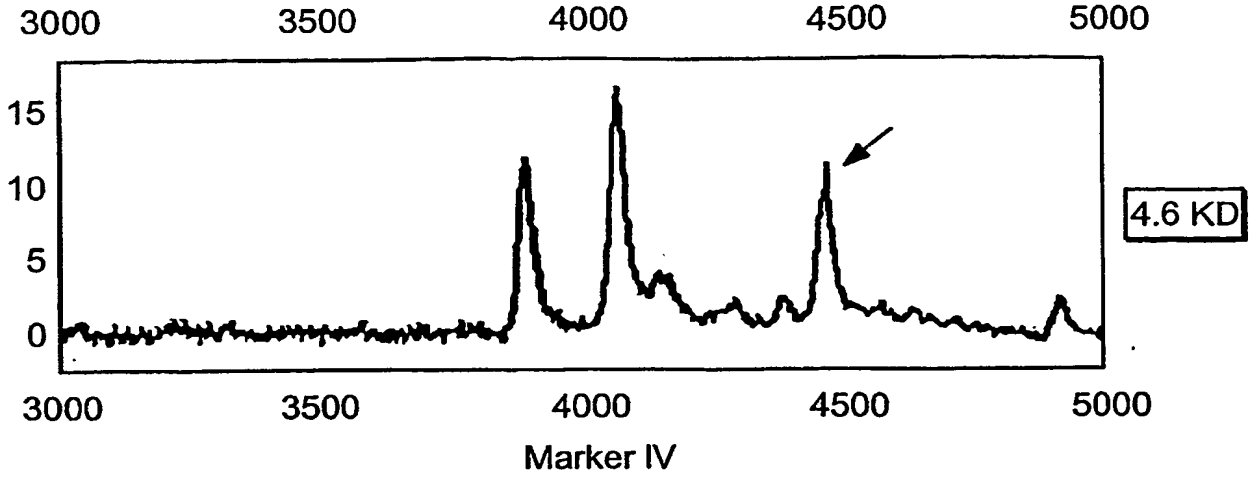

3000
3500
4000
4500
5000
15
10
5
0
4.6 KD
Marker IV

FIG. 1D

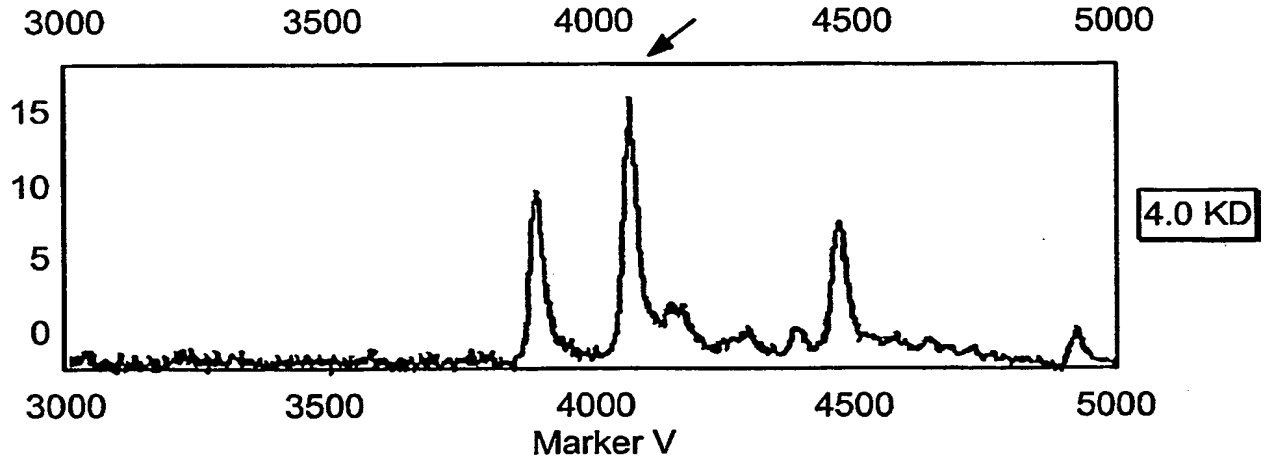
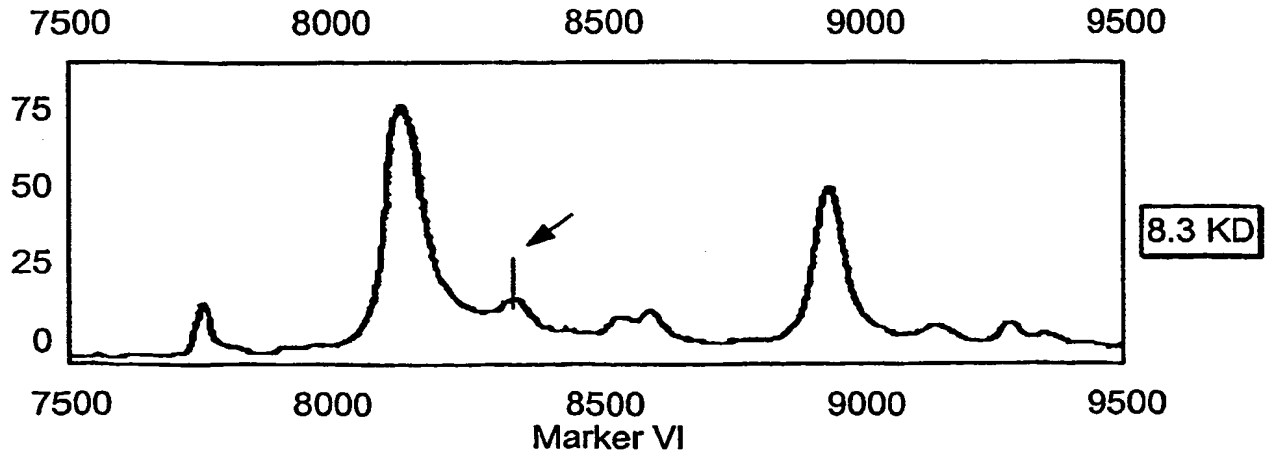

3000
3500
4000
4500
5000
15
10
5
0
4.0 KD
Marker V

FIG. 1E


7500
8000
8500
9000
9500
75
50
25
0
8.3 KD
Marker VI

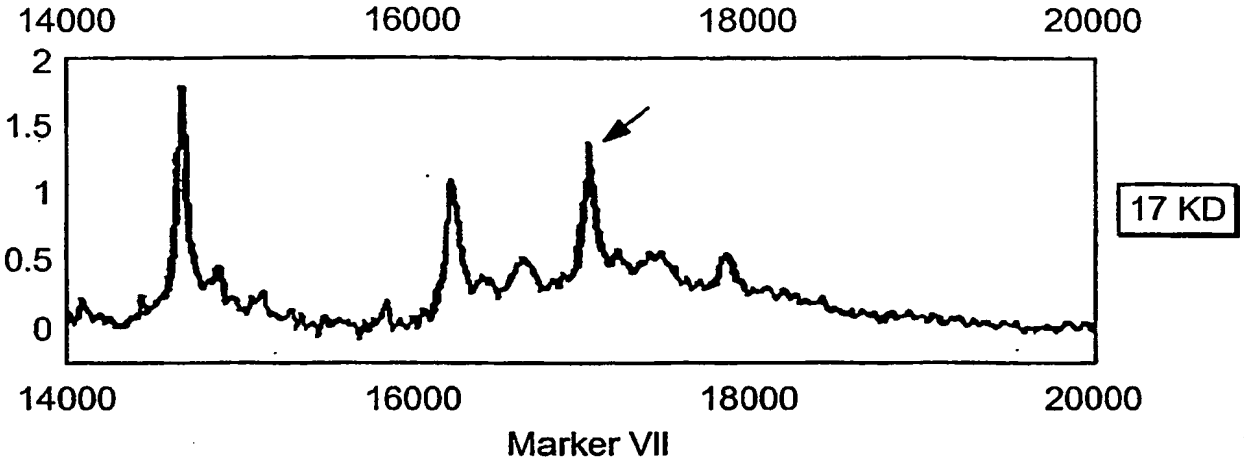

14000
16000
18000
20000
2
1.5
1
0.5
0
17 KD
Marker VII

FIG. 1G

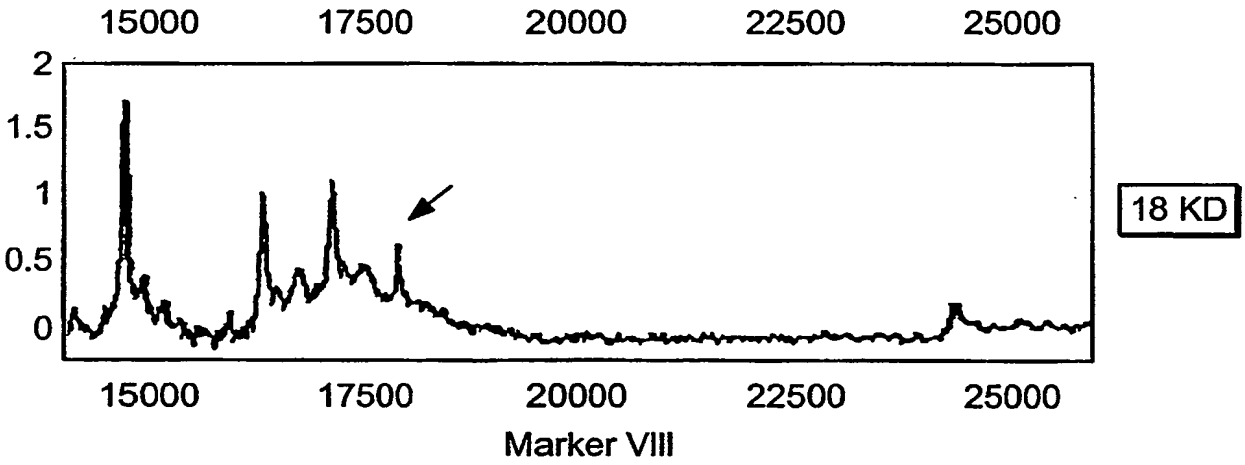
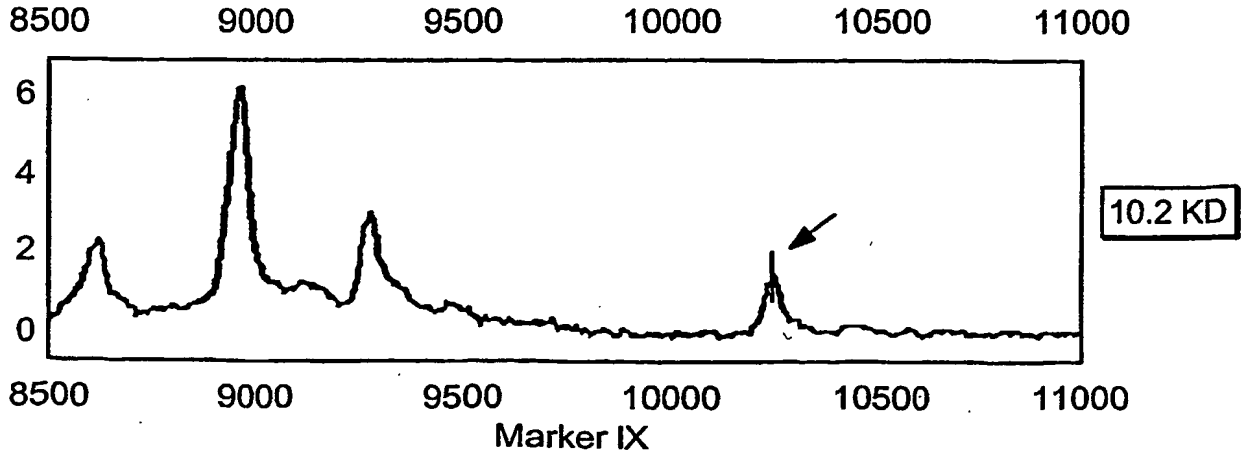

15000
17500
20000
22500
25000
2
1.5
1
0.5
0
18 KD
Marker VIII

FIG. 1H


8500
9000
9500
10000
10500
11000
6
4
2
0
10.2 KD
Marker IX

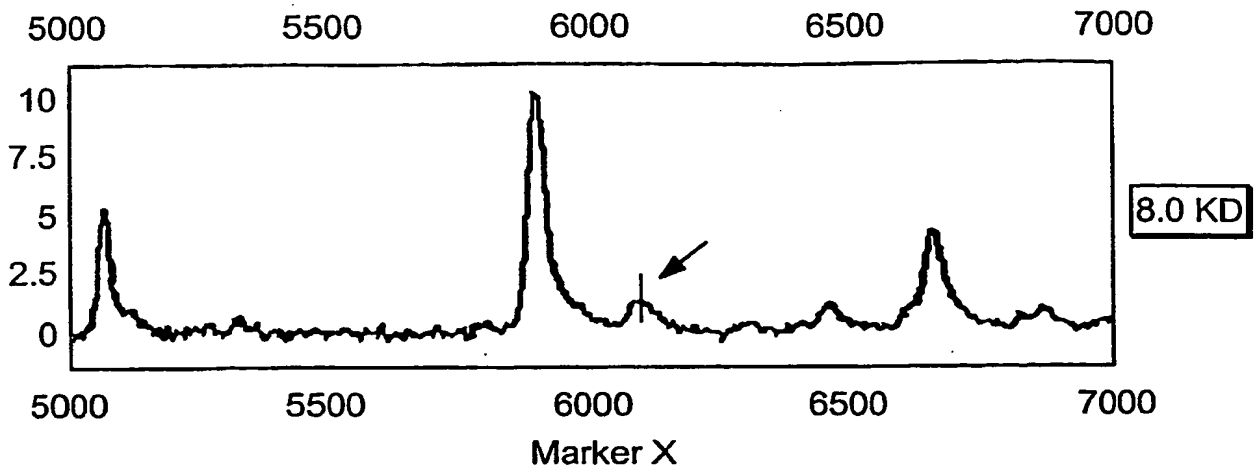

5000
5500
6000
6500
7000
10
7.5
5
2.5
0
8.0 KD
5000
5500
6000
6500
7000
Marker X

FIG. 1J

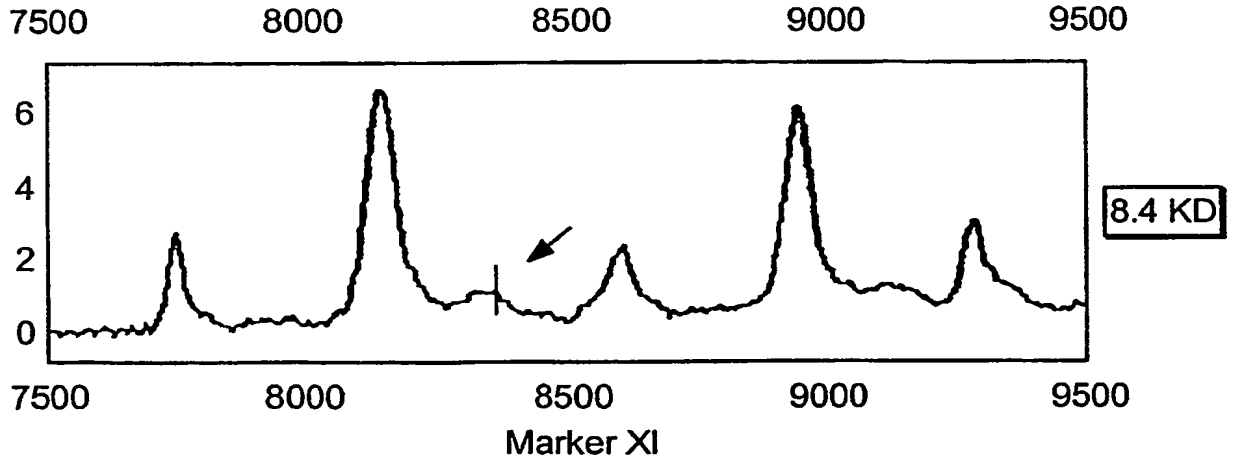
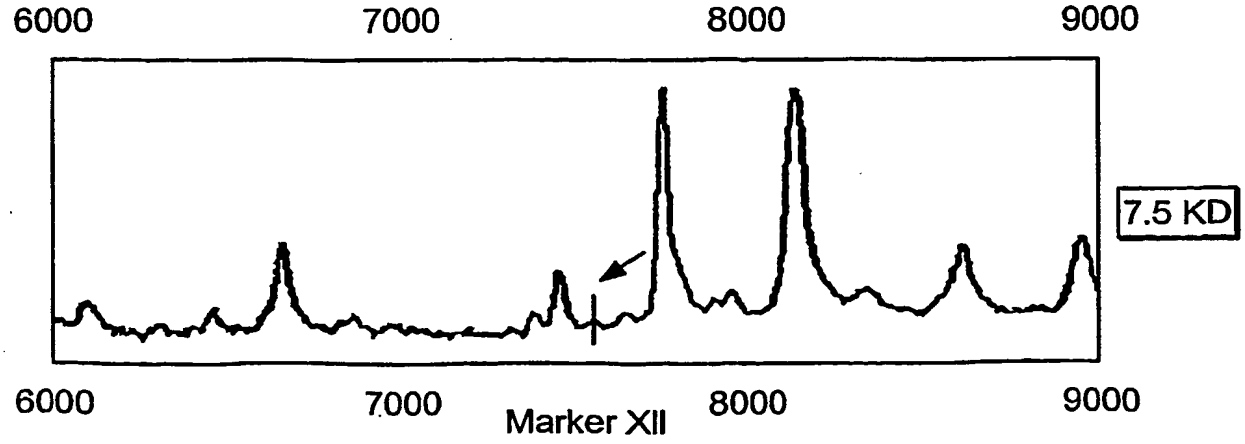

7500
8000
8500
9000
9500
6
4
2
0
8.4 KD
7500
8000
8500
9000
9500
Marker XI

FIG. 1K


6000
7000
8000
9000
7.5 KD
6000
7000
8000
9000
Marker XII

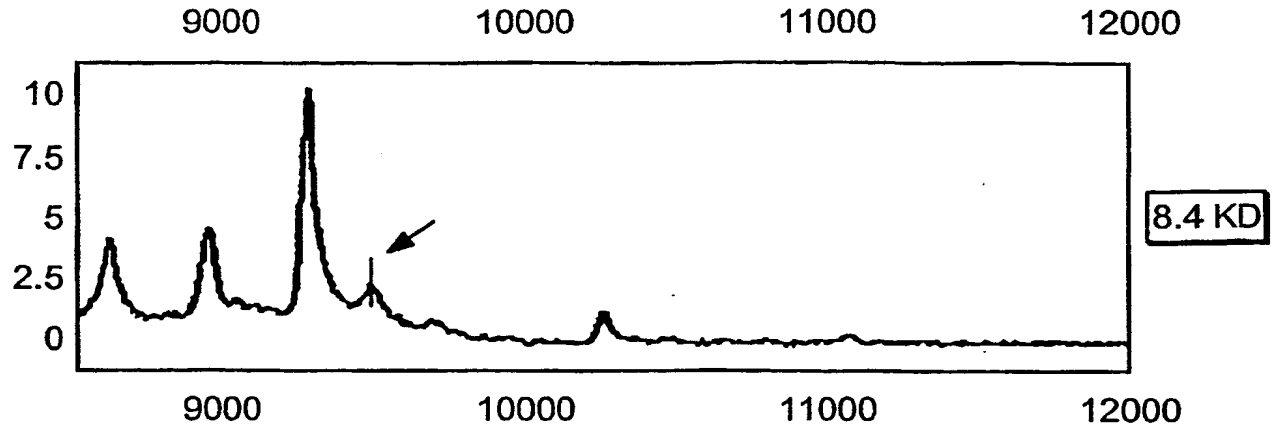

9000
10000
11000
12000
10
7.5
5
2.5
0
8.4 KD
9000
10000
11000
12000
Marker XIII

FIG. 1M

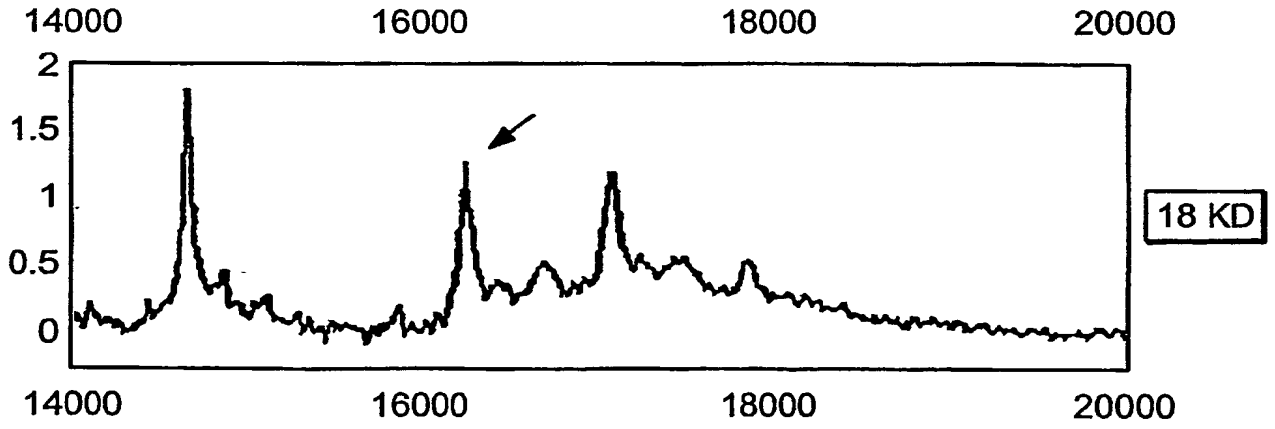

14000
16000
18000
20000
2
1.5
1
0.5
0
18 KD
14000
16000
18000
20000
Marker XIV

FIG. 1N

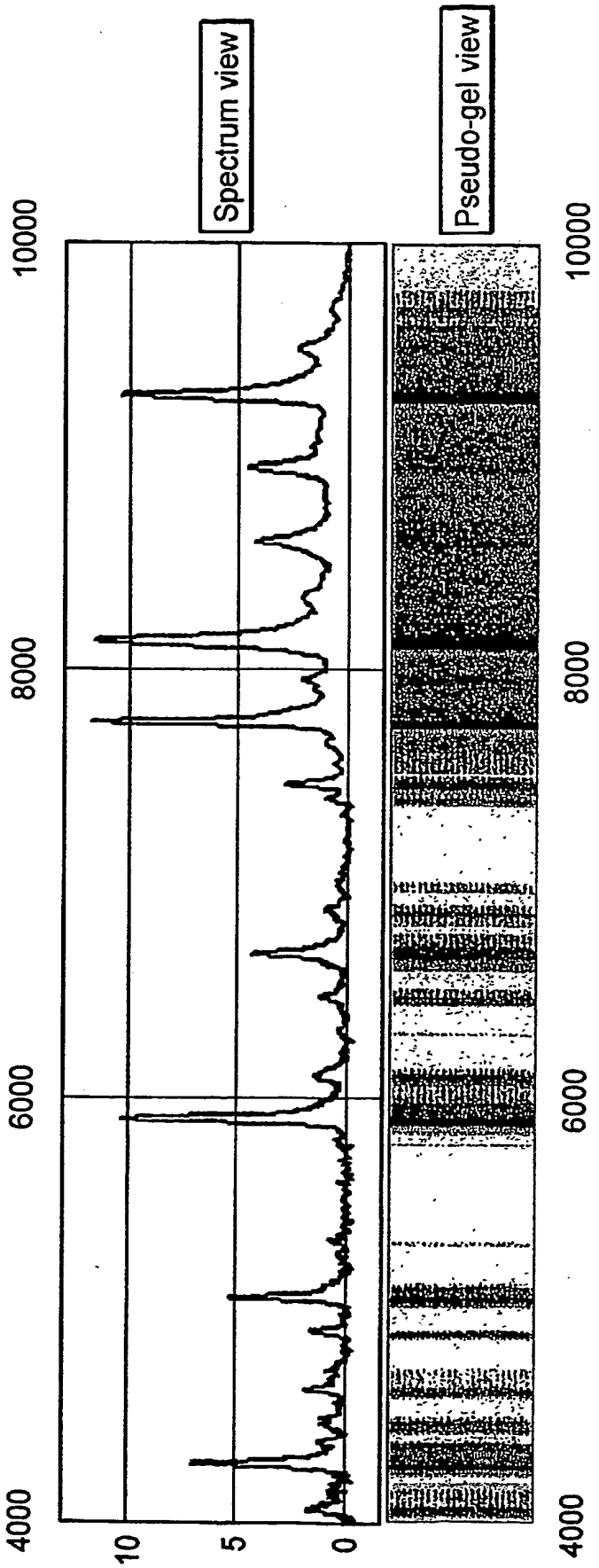


FIG. 2

BEST AVAILABLE COPY

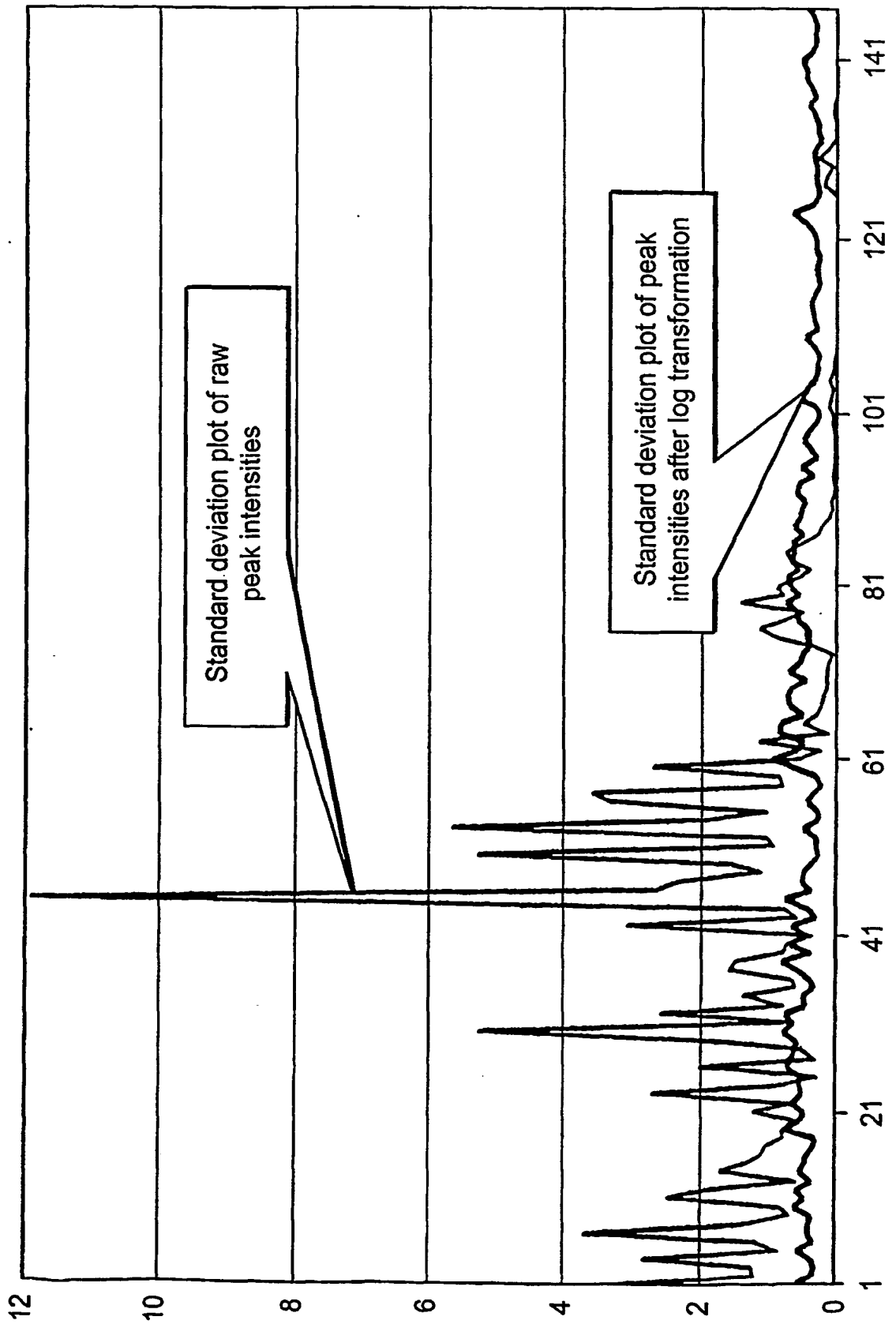

Standard deviation plot of raw peak intensities
Standard deviation plot of peak intensities after log transformation
12
10
8
6
4
2
0
1
21
41
61
81
101
121
141

FIG. 3

THREE PEAKS

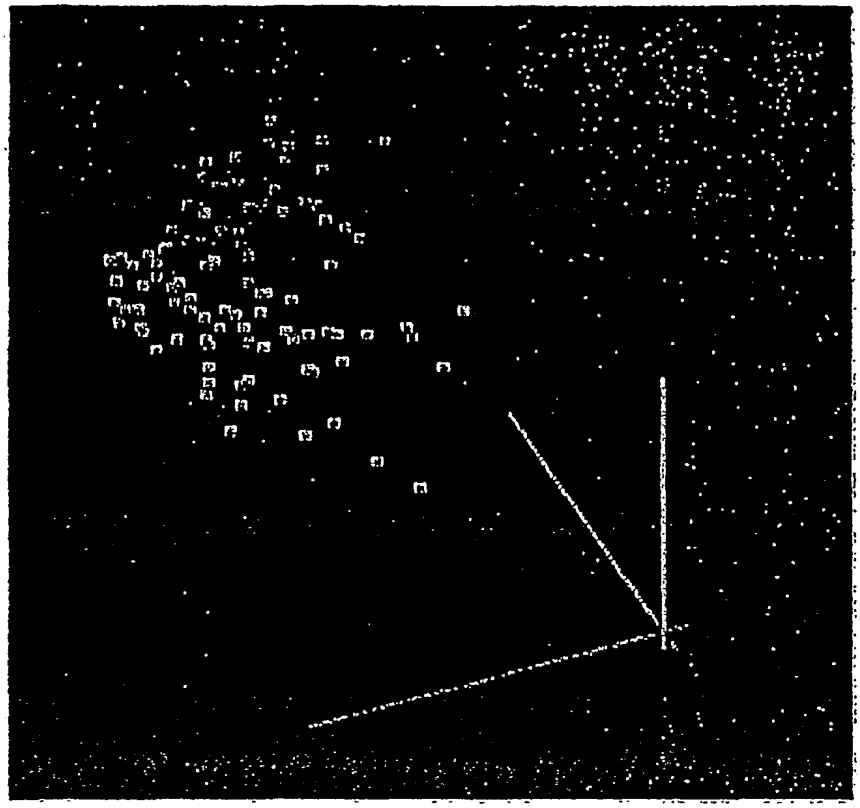


FIG. 4B

ALL PEAKS

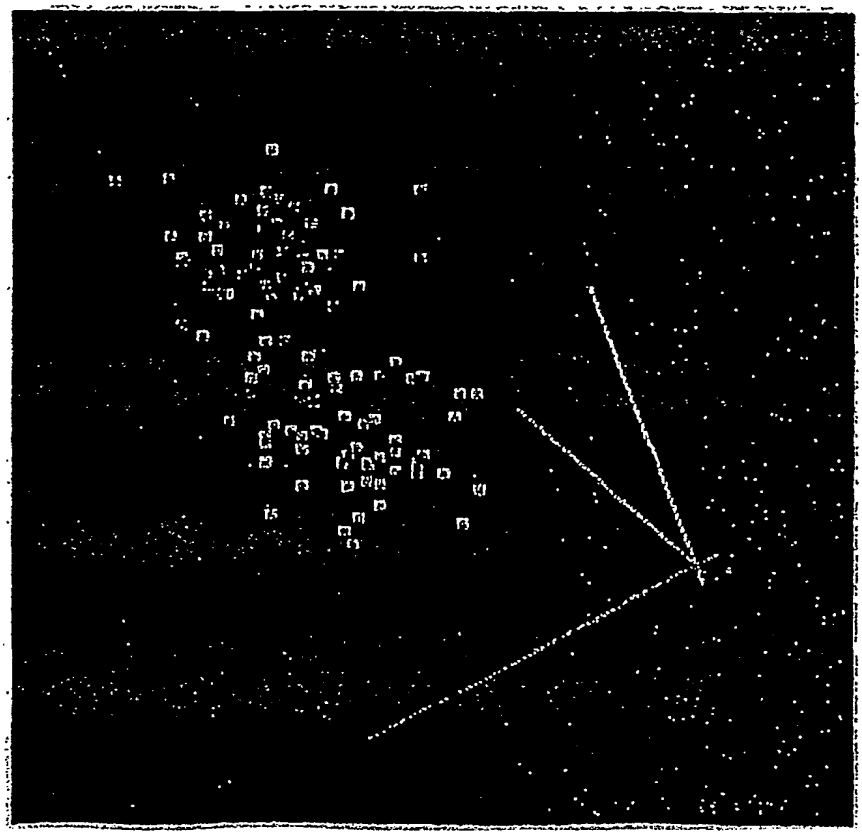


FIG. 4A

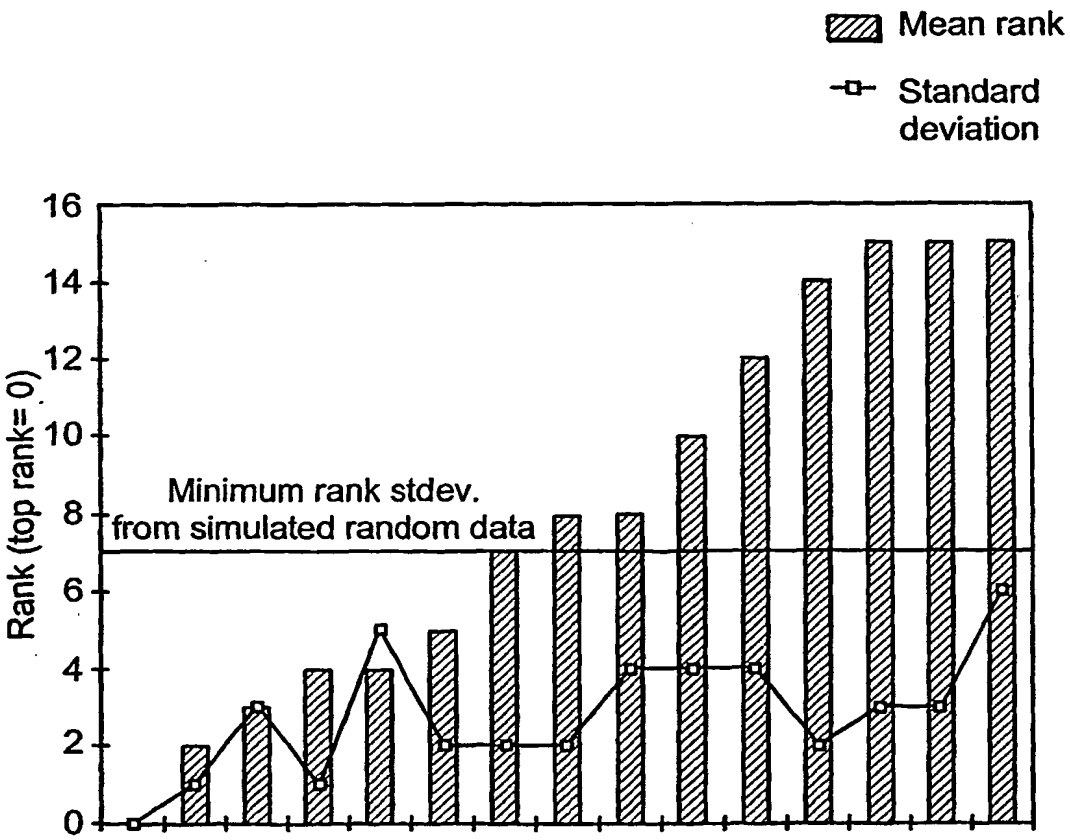

Mean rank
Standard deviation
Rank (top rank= 0)
16
14
12
10
8
6
4
2
0
Minimum rank stdev.
from simulated random data

FIG. 5

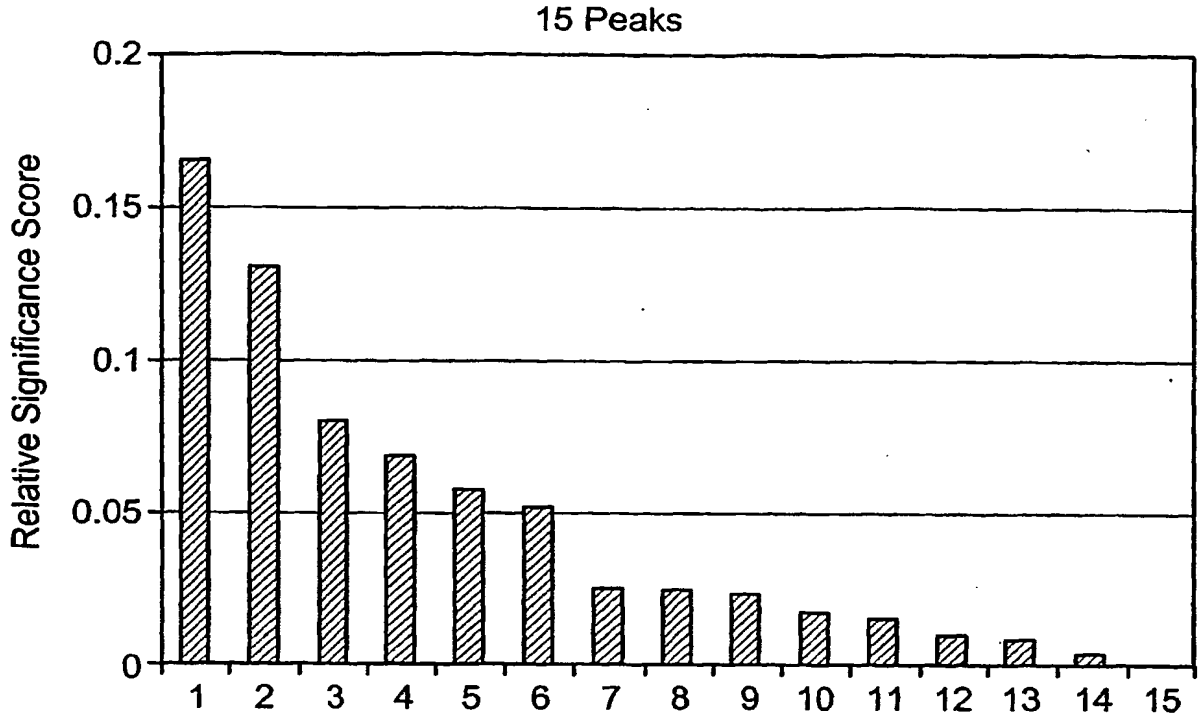

15 Peaks
Relative Significance Score
0.2
0.15
0.1
0.05
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

FIG. 6A

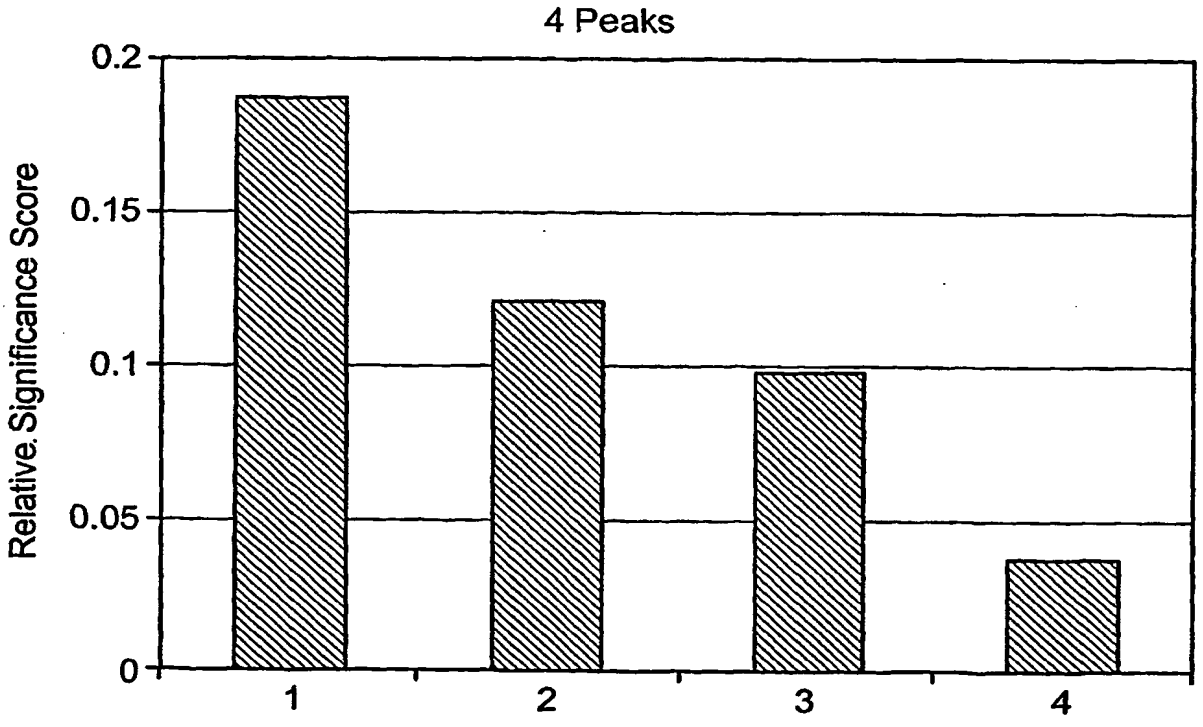

4 Peaks
Relative Significance Score
0.2
0.15
0.1
0.05
0
1
2
3
4

FIG. 6B

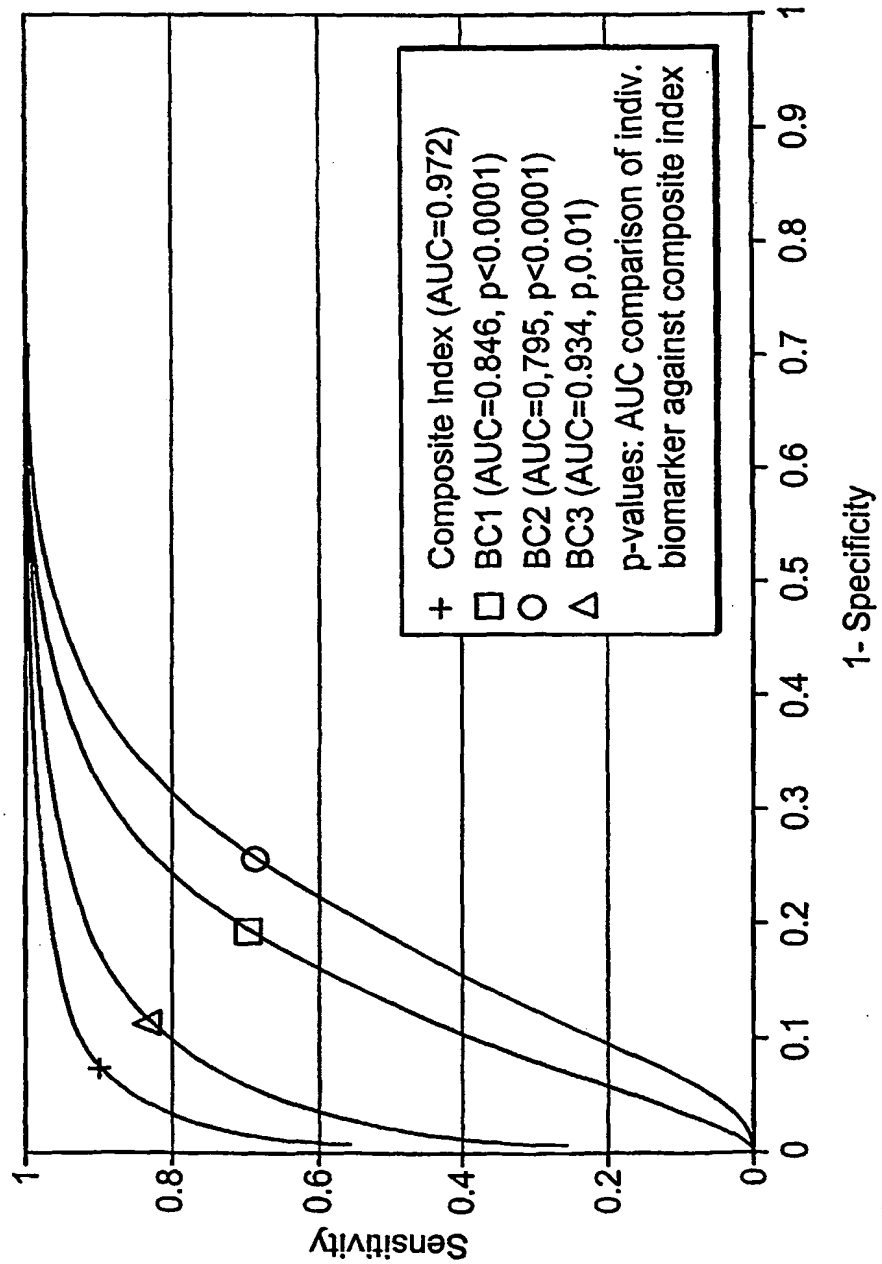

Sensitivity
1
0.8
0.6
0.4
0.2
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1- Specificity
+ Composite Index (AUC=0.972)
□ BC1 (AUC=0.846, p<0.0001)
○ BC2 (AUC=0,795, p<0.0001)
△ BC3 (AUC=0.934, p,0.01)
p-values: AUC comparison of indiv. biomarker against composite index

FIG. 7

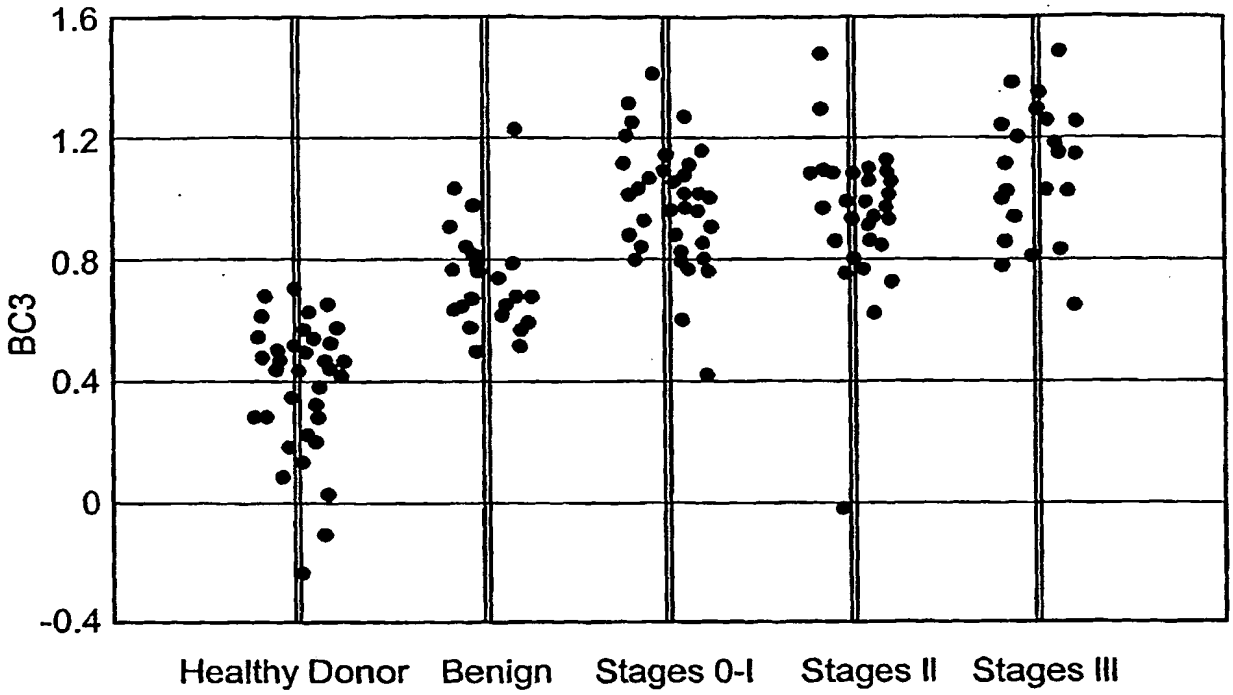

1.6
1.2
0.8
0.4
0
-0.4
BC3
Healthy Donor
Benign
Stages 0-I
Stages II
Stages III

FIG. 8A

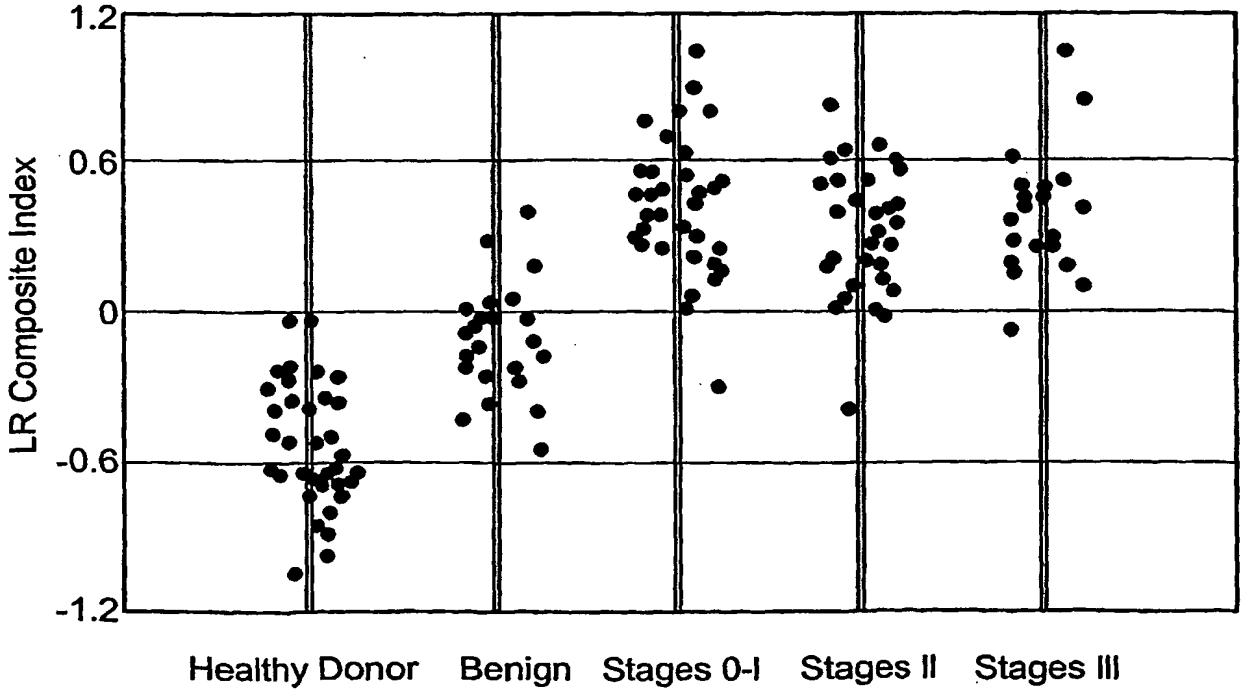

1.2
0.6
0
-0.6
-1.2
LR Composite Index
Healthy Donor
Benign
Stages 0-I
Stages II
Stages III

FIG. 8B

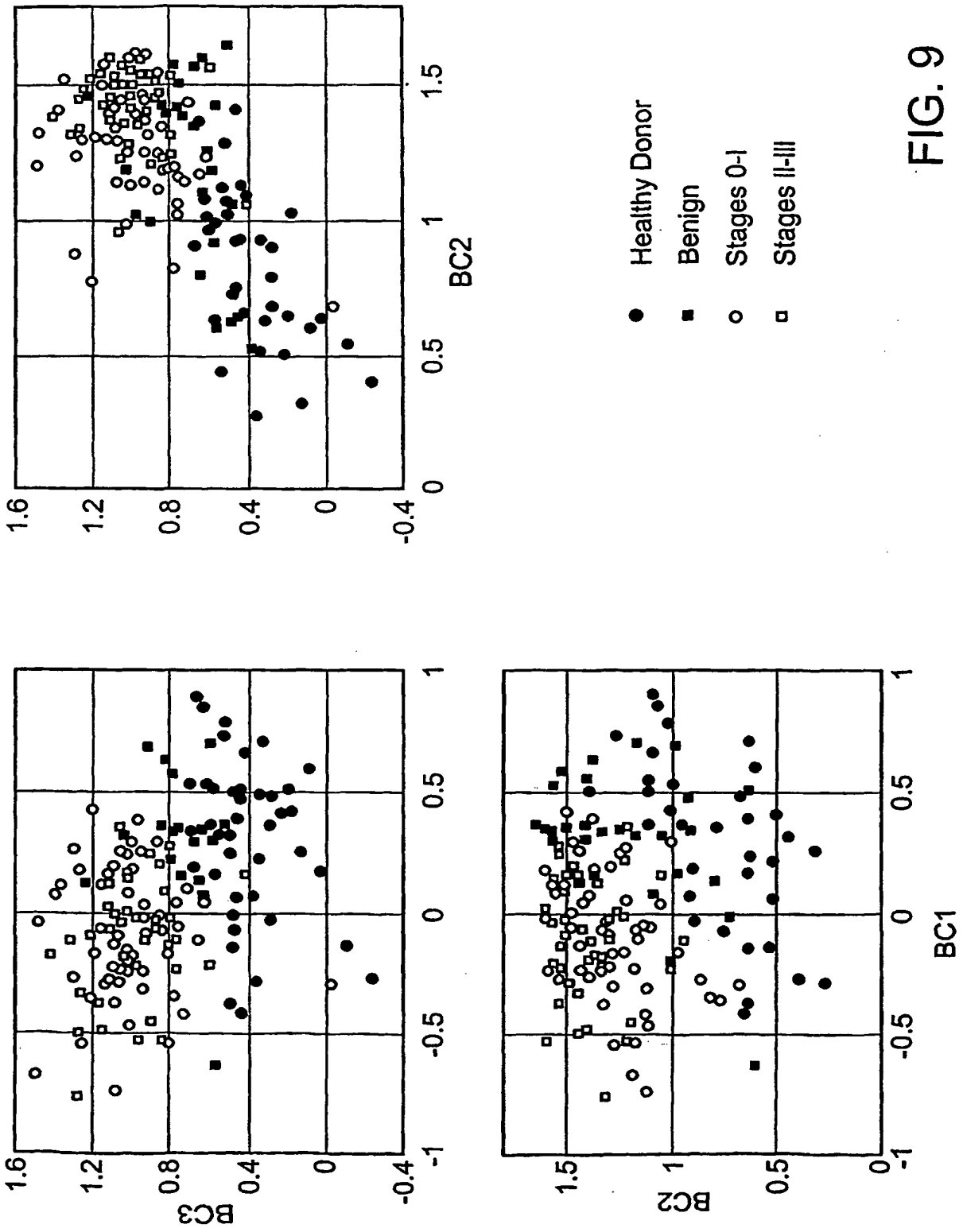


FIG. 9